IFWO

RAW SEQUENCE LISTING   DATE: 08/13/2004
PATENT APPLICATION: **US/10/759,379**   TIME: 10:45:14

Input Set : **D:\407c12.app.txt**
Output Set: **N:\CRF4\08132004\J759379.raw**

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 3 <110> APPLICANT: Blaschuk, Orest W.
 4        Symonds, James Matthew
 5        Byers, Stephen
 6        Gour, Barbara J.
 8 <120> TITLE OF INVENTION: METHODS FOR DIAGNOSING AND EVALUATING CANCER
10 <130> FILE REFERENCE: 100086.407C12
12 <140> CURRENT APPLICATION NUMBER: US 10/759,379
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C--> 13 **<141> CURRENT FILING DATE: 2004-01-16**
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15 <150> PRIOR APPLICATION NUMBER: 09/305,928
16 <151> PRIOR FILING DATE: 1999-05-05
18 <150> PRIOR APPLICATION NUMBER: 09/234,395
19 <151> PRIOR FILING DATE: 1999-01-20
21 <150> PRIOR APPLICATION NUMBER: 09/187,859
22 <151> PRIOR FILING DATE: 1998-11-06
24 <150> PRIOR APPLICATION NUMBER: 09/073,040
25 <151> PRIOR FILING DATE: 1998-05-05
27 <160> NUMBER OF SEQ ID NOS: 324
29 <170> SOFTWARE: PatentIn Ver. 2.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 5
33 <212> TYPE: PRT
34 <213> ORGANISM: Unknown
36 <220> FEATURE:
37 <221> NAME/KEY: MOD_RES
38 <222> LOCATION: (2)
39 <223> OTHER INFORMATION: Where Xaa is any amino acid
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Description of Unknown Organism: Calcium Binding
43        Motif in Extracellular domains of Classical
44        Cadherins
46 <400> SEQUENCE: 1
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W--> 47 **Asp Xaa Asn Asp Asn**
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48    1                 5
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 4
52 <212> TYPE: PRT
53 <213> ORGANISM: Unknown
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Unknown Organism: Calcium Binding
57        Motif in Extracellular domains of Classical
58        Cadherins
60 <400> SEQUENCE: 2
61 Leu Asp Arg Glu
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Input Set : D:\407c12.app.txt
Output Set: N:\CRF4\08132004\J759379.raw

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62   1
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 9
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
71       Synthesis based on Human OB-Cadherin
73 <400> SEQUENCE: 3
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75   1               5
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 106
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 4
83 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
84   1               5                   10                  15
86 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
87              20                  25                  30
89 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
90          35                  40                  45
92 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
93      50                  55                  60
95 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
96   65                  70                  75                  80
98 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
99              85                  90                  95
101 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
102             100                 105
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 106
106 <212> TYPE: PRT
107 <213> ORGANISM: Mus musculus
109 <400> SEQUENCE: 5
110 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
111   1              5                   10                  15
113 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
114             20                  25                  30
116 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
117           35                  40                  45
119 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
120      50                  55                  60
122 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
123   65                  70                  75                  80
125 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
126             85                  90                  95
128 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
129             100                 105
```

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Input Set : **D:\407c12.app.txt**
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131 <210> SEQ ID NO: 6
132 <211> LENGTH: 108
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 6
137 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
138   1               5                  10                  15
140 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
141              20                  25                  30
143 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
144          35                  40                  45
146 Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
147      50                  55                  60
149 Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
150   65                  70                  75                  80
152 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
153                  85                  90                  95
155 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
156              100                 105
158 <210> SEQ ID NO: 7
159 <211> LENGTH: 108
160 <212> TYPE: PRT
161 <213> ORGANISM: Mus musculus
163 <400> SEQUENCE: 7
164 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
165   1               5                  10                  15
167 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
168              20                  25                  30
170 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
171          35                  40                  45
173 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
174      50                  55                  60
176 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
177   65                  70                  75                  80
179 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
180                  85                  90                  95
182 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
183              100                 105
185 <210> SEQ ID NO: 8
186 <211> LENGTH: 108
187 <212> TYPE: PRT
188 <213> ORGANISM: Bos taurus
190 <400> SEQUENCE: 8
191 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
192   1               5                  10                  15
194 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
195              20                  25                  30
197 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
198          35                  40                  45
```

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                        RAW SEQUENCE LISTING              DATE: 08/13/2004
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                        Input Set : D:\407c12.app.txt
                        Output Set: N:\CRF4\08132004\J759379.raw
```

```
200 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
201      50                  55               60
203 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
204  65                  70                  75               80
206 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
207                  85                  90                  95
209 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
210              100              105
212 <210> SEQ ID NO: 9
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
219       Synthesis based on Human OB-Cadherin
221 <220> FEATURE:
222 <221> NAME/KEY: MOD_RES
223 <222> LOCATION: (1)
224 <223> OTHER INFORMATION: ACETYLATION
226 <220> FEATURE:
227 <221> NAME/KEY: MOD_RES
228 <222> LOCATION: (9)
229 <223> OTHER INFORMATION: AMIDATION
231 <400> SEQUENCE: 9
232 Ile Phe Val Ile Asp Asp Lys Ser Gly
233   1               5
235 <210> SEQ ID NO: 10
236 <211> LENGTH: 9
237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Unknown Organism: Consensus Cell
242       Adhesion Recognition Sequence in an OB-Cadherin
244 <220> FEATURE:
245 <221> NAME/KEY: MOD_RES
246 <222> LOCATION: (1)
247 <223> OTHER INFORMATION: Where Xaa is and independently selected amino acid
249 <220> FEATURE:
250 <221> NAME/KEY: MOD_RES
251 <222> LOCATION: (3)
252 <223> OTHER INFORMATION: Where Xaa is either Valine of Serine
254 <220> FEATURE:
255 <221> NAME/KEY: MOD_RES
256 <222> LOCATION: (4)
257 <223> OTHER INFORMATION: Where Xaa is either Isoleucine or Valine
259 <220> FEATURE:
260 <221> NAME/KEY: MOD_RES
261 <222> LOCATION: (5)
262 <223> OTHER INFORMATION: Where Xaa is either Aspartate or Glutamate
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RAW SEQUENCE LISTING   DATE: 08/13/2004
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264 <220> FEATURE:
265 <221> NAME/KEY: MOD_RES
266 <222> LOCATION: (6)
267 <223> OTHER INFORMATION: Where Xaa is an Independently selected amino acid
269 <220> FEATURE:
270 <221> NAME/KEY: MOD_RES
271 <222> LOCATION: (7)
272 <223> OTHER INFORMATION: Where Xaa is an independently selected amino acid
274 <220> FEATURE:
275 <221> NAME/KEY: MOD_RES
276 <222> LOCATION: (8)
277 <223> OTHER INFORMATION: Where Xaa is either Serine or Threonine
279 <400> SEQUENCE: 10
```
W--> 280 Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa Gly
```
281   1                 5
283 <210> SEQ ID NO: 11
284 <211> LENGTH: 4
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
290       Synthesis based on Human OB-Cadherin
292 <400> SEQUENCE: 11
293 Ile Asp Asp Lys
294   1
296 <210> SEQ ID NO: 12
297 <211> LENGTH: 4
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
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305 <400> SEQUENCE: 12
306 Asp Asp Lys Ser
307   1
309 <210> SEQ ID NO: 13
310 <211> LENGTH: 5
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: Product of
316       Synthesis based on Human OB-Cadherin
318 <400> SEQUENCE: 13
319 Val Ile Asp Asp Lys
320   1                 5
322 <210> SEQ ID NO: 14
323 <211> LENGTH: 5
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: **US/10/759,379**   TIME: 10:45:15

Input Set : **D:\407c12.app.txt**
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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2
Seq#:10; Xaa Pos. 1,3,4,5,6,7,8

VERIFICATION SUMMARY   DATE: 08/13/2004
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Input Set : **D:\407c12.app.txt**
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0